LAMINATED VENEER LUMBER

CONSTRUCTION LVL

WOOD LINE

----- Your imagination, our creation -----

LVL PLYWOOD – The core is made of wood such as Eucalyptus, Acacia with a uniform structure that gives the product high aesthetics.

Along with the outstanding durability and bearing capacity, this high-strength engineered wood product is mostly used primarily for structural applications such as beams, formworks, rafters, door frame, floor, wall...

ISO 9001 2015 CERTIFIED

EN 14374:2004
Timber structures - Structural laminated veneer lumber standard

Brand
WOOD LINE LVL

Wood materials
Vietnam hardwood from legally sourced plantation wood
Core veneer: Eucalyptus, Acacia, Rubberwood, or mix as request

Density
650 - 700 kg/m^3 (depend on core veneer wood species)

Size
Length: Maximum 6,000 mm
Width: Maximum 610 mm
Thickness: Maximum 100 mm

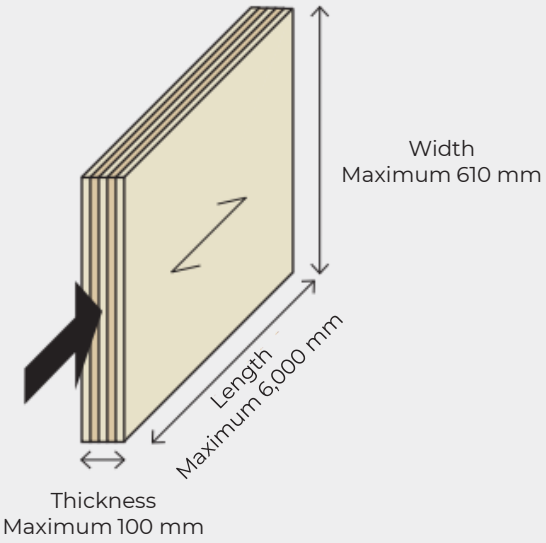
Glue
MR - Moisture resistance (can be added with Melamine)
WBP - Water Boiling Proof Phenolic Glue
With E2, E1, E0 standard

Moisture Content
Less than 15%

Packing
Panels are packed in crates with metal/plastic straps, suitable for loading/unloading by forklifts

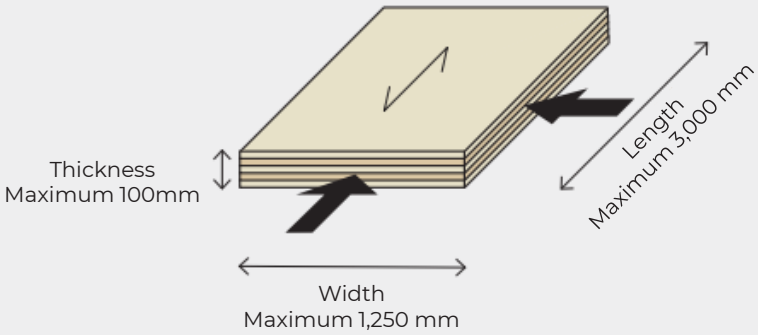
WOOD LINE *LVL*

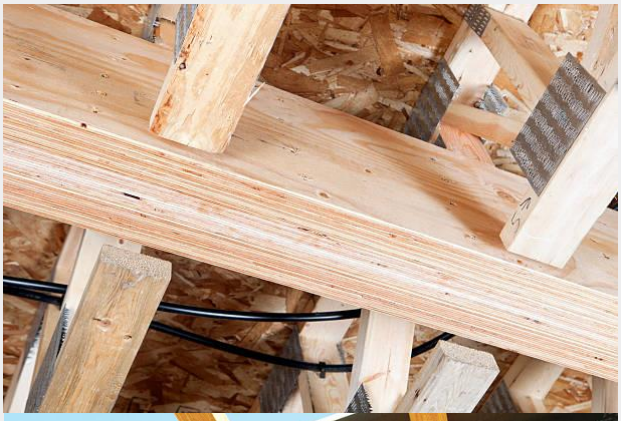
LVL is a wood-based panel similar to plywood, except all of the veneer layers are arranged in the same direction to each other (all veneer layers are glued together longitudinally)

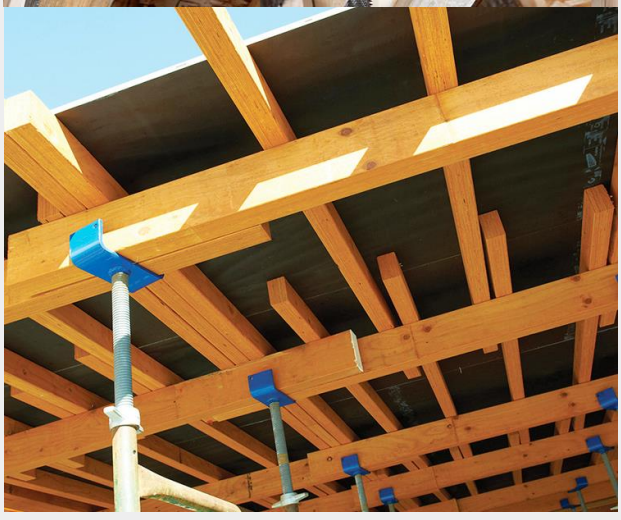


WOOD LINE *LVB*

LVB can be layered inside vertically, two layers outside horizontally, or randomly placed horizontal, vertical. Which means that ca. one-fifth of the veneers are glued crosswise – improving the lateral bending strength and stiffness of the joist







WOOD LINE *LVL* is used for the construction with high load bearing such as beams, pillars, flooring structures...

WOOD LINE *LVB* could be used for pre-assembled floor cassettes of roofing

DECLARE OF PERFORMANCE

WOOD LINE
----- Your imagination, our creation -----

LAMINATED VENEER LUMBER TECHNICAL PARAMETERS - 72 HOURS WBP GRADE				
SR. NO.	**PARTICULARS**	**REFERENCE**	**UOM**	**MIN. PERFORMANCE**
1	DENSITY		KGS/M3	600+ KGS/M3
2	THICKNESS TOLERANCE	IS 4990	MM	+/- 0.3 mm
3	SURFACE QUALITY			NO DENTS, NO IMPRESSIONS AND NO JOINT MARKS
4	72 BOILING WATER TEST	IS 4990		NO DE-PLY OR DE-VENEERING
5	LENGTH TOLERANCES	IS 4990		+/- 6 MM
6	WIDTH TOLERANCES	IS 4990		+/- 3 MM
7	EDGE STRAIGHTNESS	IS 4990		2 MM/1000 MM or 0.2 %
8	SQUARENESS	IS 4990		2 MM/1000 MM or 0.2 %
9	MYCOLOGICAL TEST	IS 14616		Should not Show any appreciable signs of separation at the edges of the veneers
10	MODULUS OF ELASTICITY	IS 14616	N/MM2	MIN. 7500 N/MM2
11	MODULUS OF RUPTURE	IS 14616	N/MM2	MIN. 50 N/MM2
12	COMPRESSIVE STRENGTH PARALLEL TO GRAIN	IS 14616	N/MM2	MIN. 35 N/MM2
13	COMPRESSIVE STRENGTH PARALLEL TO GRAIN	IS 14616		
	PARALLEL TO LAMINAE		N/MM2	MIN. 35 N/MM2
	PERPENDICULAR TO LAMINAE		N/MM2	MIN. 50 N/MM2
14	HORIZONTAL SHEAR	IS 14616		
	PARALLEL TO LAMINAE		N/MM2	MIN. 6 N/MM2
	PERPENDICULAR TO LAMINAE		N/MM2	MIN. 8 N/MM2
15	TENSILE STRENGTH PARALLEL TO GRAIN	IS 14616	N/MM2	55
16	RESIN USED			PHENOL FORMALDEHYDE
17	APPLICATION OF RESIN			ON BOTH SIDES OF CORE VENEER
18	SCREW HOLDING POWER	IS 14616	N	EDGE - 2300 N FACE - 2700 N
19	THICKNESS SWELLING (2 HOURS WATER SOAKING)	IS 14616	% GE	MAX 3%
20	WARPING	IS 14616	MM	NOT EXCEEDING 1.5 MM PER 1000 MM LENGTH
21	RESIN USED			PHENOL FORMALDEHYDE
22	APPLICATION OF RESIN			ON BOTH SIDES OF CORE VENEER
23	MOISTURE CONTENT	IS 14616	% GE	5 TO 15%
24	THICKNESS OF VENEER		MM	VARYING BETWEEN 1.8 MM TO 2.25 MM
25	DELAMINATION AFTER CUTTING			NO DELAMINATION ALLOWED
26	USAGE OF METAL PINS/STAPLES			NO METAL PINS/STAPLES TO BE USED IN PRODUCTION
27	GAPS IN VENEER PLYS			NO AIR GAPS ALLOWED